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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

13

Application Number

10/542,043

Filing Date

January 16, 2004

First Named Inventor

Charles R. Cantor

Art Unit

Examiner Name

Attorney Docket Number

701586-053653

ENCLOSURES

(Check all that apply)

☐ Fee Transmittal Form☐ Fee Attached☐ Amendment/Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Reply to Missing Parts/
Incomplete Application☐ Reply to Missing Parts
under 37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a

Provisional Application

☐ Power of Attorney, Revocation

Change of Correspondence Address

☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ Landscape Table on CD☐ After Allowance Communication to TC☐ Appeal Communication to Board
of Appeals and Interferences☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please identify
below):Certificate of Mailing; Certificate of Limited
Recognition; COPY - International Search Report;
COPY - References 2-36; and Return Receipt
Postcard**Remarks**Please charge any fee deficiency and credit overpayments in connection with this
submission to Nixon Peabody, LLP Deposit Account No. 19-2380.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Nixon Peabody, LLP

Signature

Printed name

Ronald I. Eisenstein/Leena H. Karttunen

Date

July 26, 2006

Reg. No.

30,628/E0207

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Signature

Typed or printed name

Tina-Michelle Pittsley

Date

July 26, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTC
process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, includ
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IN THE UNITED STATES RECEIVING OFFICE

PCT/US2004/001329	16.01.2004 16 January 2004	17.01.2003 17 January 2003
International Application Number	International Filing Date	International Earliest Priority Date

TITLE OF INVENTION:

HAPLOTYPE ANALYSIS

APPLICANT(S) FOR EO/DO:

The Trustees of Boston University

INVENTOR(S)/APPLICANT(S) FOR US:

Charles R. Cantor and Chunming Ding

U.S.S.N.:

10/542,043

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a) and 1.10)

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Date: July 26, 2006


Signature

Tina-Michelle Pittsley
(type or print name of person certifying)



Patentitioner's Docket No. 701586-53653

PATENT

IN THE UNITED STATES RECEIVING OFFICE

PCT/US2004/001329	16.01.2004 16 January 2004	17.01.2003 17 January 2003
International Application Number	International Filing Date	International Earliest Priority Date

TITLE OF INVENTION:

APPLICANT(S) FOR EO/DO:

INVENTOR(S)/APPLICANT(S) FOR US:

U.S.S.N.:

HAPLOTYPE ANALYSIS

The Trustees of Boston University

Charles R. Cantor and Chunming Ding

10/542,043

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

LETTER IN RESPONSE TO NOTIFICATION

In response to the Notification dated August 8, 2006, Applicants submit herewith a paper copy and computer readable copy of the Sequence listing in compliance with 37 C.F.R. 1.821-1.825, and a Statement that the contents of these are the same.

Contrary to what the Notice contended, Applicants have submitted to the Office a copy of the International Search Report and Information Disclosure Statement. Such report was sent via Express Mail on July 26, 2006. Applicants attach a copy of the Submission is attached herewith.

Accordingly, Applicants respectfully request refund of the additional fee adjustment referred to in the Notice.

The Commissioner is hereby authorized to credit the overpayments or charge any additional fees associated with this communication to Nixon Peabody Deposit Account No. 19-2380.

Date: October 6, 2006

Respectfully submitted,

Ronald I. Eisenstein (Reg. No. 30,628)

Leena H. Karttunen (L0207)

NIXON PEABODY LLP

100 Summer Street

Boston, MA 02110

Tel. (617) 345-6054



**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE
UNITED STATES PATENT AND TRADEMARK OFFICE**

LIMITED RECOGNITION UNDER 37 CFR § 11.9(b)

Leena H. Karttunen is hereby given limited recognition under 37 CFR §11.9(b) as an employee of Nixon Peabody LLP, to prepare and prosecute patent applications wherein the patent applicant is the client of Nixon Peabody LLP and an attorney or agent of record in the applications is a registered practitioner who is a member of Nixon Peabody LLP. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Leena H. Karttunen ceases to lawfully reside in the United States, (ii) Leena H. Karttunen's employment with Nixon Peabody LLP ceases or is terminated, or (iii) Leena H. Karttunen ceases to remain or reside in the United States on an H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Limited Recognition No. L0207
Expires: February 11, 2007

Harry I. Moatz
Director of Enrollment and Discipline

FEE TRANSMITTAL FOR FY 2006

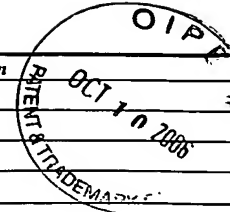
Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 0

Complete if Known

Application Number 10/542,043
Filing Date January 16, 2004
First Named Inventor Charles R. Cantor
Examiner Name To be assigned.
Art Unit To be assigned.
Attorney Docket No. 701586-53653



METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 19-2380

Deposit Account Name Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1001	300	2001	150	Utility filing fee	
1002	200	2002	100	Design filing fee	
1003	200	2003	100	Plant filing fee	
1004	300	2004	150	Reissue filing fee	
1005	200	2005	100	Provisional filing fee	

SUBTOTAL (1) (\$ 0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims -20** = X = 0

Independent Claims -3** = X = 0

Multiple Dependent X = 0

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple dependent claim, if not paid
1204	200	2204	100	** Reissue independent claims over original patent
1205	50	2205	25	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
1051	130	2051	65	Surcharge - late filing fee or oath
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130	Non-English specification
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action
1251	120	2251	60	Extension for reply within first month
1252	450	2252	225	Extension for reply within second month
1253	1,020	2253	510	Extension for reply within third month
1254	1,590	2254	795	Extension for reply within fourth month
1255	2,160	2255	1,080	Extension for reply within fifth month
1401	500	2401	250	Notice of Appeal
1402	500	2402	250	Filing a brief in support of an appeal
1403	1,000	2403	500	Request for oral hearing
1451	1,510	1451	1,510	Petition to institute a public use proceeding
1452	500	2452	250	Petition to revive - unavoidable
1453	1,500	2453	750	Petition to revive - unintentional
1501	1,400	2501	700	Utility issue fee (or reissue)
1502	800	2502	400	Design issue fee
1503	1,100	2503	550	Plant issue fee
1460	130	1460	130	Petitions to the Commissioner
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)
1806	180	1806	180	Submission of Information Disclosure Stmt
8021	40	8021	40	Recording each patent assignment per property (times number of properties)
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))
1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))
1801	790	2801	395	Request for Continued Examination (RCE)
1802	900	1802	900	Request for expedited examination of a design application

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0

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October 6, 2006

Date

Signature
Megan L. Stenbridge

Typed or printed name

SUBMITTED BY

Name (Print/Type) Ronald N. Eisenstein
Leena H. Karttunen

Signature

Registration No. 30,628
(Attorney/Agent) D0207

Complete (if applicable)

Telephone 617-345-6054
Date October 6, 2006

SEND TO: Commissioner for Patents
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Alexandria, VA 22313-1450

RECEIVED

AUG-04-2006

NIXON PEABODY LLP

Mailing Date: July 26, 2006

Client: Boston University

Inventors: Cantor, et al.

Serial No.: 10/542,043

Filing Date: January 16, 2004

Attorney/Sec: RIE/LHK/tmp

Docket No.: 701586-53653

Patent No.:

Grant Date:

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6. COPY - References 2 - 36; and
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Due Date: